ROZHDESTVENSKIY, Vasiliy Petrovich ; CHELYSHKIN, Yu.G., red.; DEYEVA, V.M., tekhn. red.

[Practical exercises in botany] Prakticheskie zaniatiia po botanike. Izd.2. Moskva, Gos.izd-vo sel'khoz.lit-ry, zhurnalov i plakatov, 1961. 302 p. (MIRA 15:4)
(Botany--Study and teaching)

ROZHDESTVENSKIY, V.P.; IL'INA-VESELOVA, M.V.

Kinetics of the catalytic conversion of a methane-hydrogen mixture with water vapor. Zhur.prikl.khim. 34 no.8:1834-1841 Ag '61. (MIRA 14:8)

1. Saratovskiy nauchno-issledovatel'skiy institut po ispol'zovaniyu gaza v narodnom khozyaystva "GIPRONIIGAZ" i Saratovskiy gosudarstvennyy universitet imeni N.G. Chernyshevskogo.
(Methane) (Water vapor) (Catalysis)

OBOLENTSEV, R.D., doktor khim. nauk, otv. red.; MASHKINA, A.V., kand. khim. nauk, red.; NOZHKINA, I.A., kand. khim. nauk, red.; ROZHDESTVENSKIY, V.P., knad. khim. nauk, red.; GLADKOVA, L.K., red.; SIDOROV, V.V., red.; SHAFIN, I.G., tekhn. red.

[Chemistry of sulfur and nitrogen organic compounds in petroleum and petroleum products] Khimiia sera- i azotoorganicheskikh soedinenii, soderzhashchikhsia v neftiakh i nefteproduktakh. Ufa. Vol.3. 1960. 337 p. (MIRA 14:5)

1. Akademiya nauk SSSR. Bashkirskiy filial, Ufa. Otdel khimii. 2. Bashkirskiy filial AN SSSR, Otdel khimii (for Obolentsev)

(Petroleum--Analysis) (Sulfur organic compounds)
(Nitrogen organic compounds)

YENIKEYEVA, M.Z.(Ufa); KRIVOLAPOV, S.S.(Ufa); OBOLENTSEV, R.D.(Ufa);
ROZHDESTVENSKIY, V.P. (Ufa)

Reduction roasting of rich iron ores by mixtures of petroleum gas and water vapor. Izv. AN SSSR. Otd.tekh.nauk. Met.i topl. no.5:19-24 S-O '60. (MIRA 13:11)
(Iron ores) (Ore dressing)

ROZHDESTVENSKIY, V.P.; KRIVOLAPOV, S.S.

Reduction of sulfide ore by mixtures of petroleum gas with water vapor. Zhur. prikl. khim. 33 no.12:2622-2627 D '60. (MIRA 14:1)

(Sulfides—Metallurgy)

OBOLENTSEV, R.D., doktor khim.nauk;red.; GAL'PERN, G.D., doktor.khim.nauk, red.; CHERTKOV, Ya.B., doktor tekhn.nauk, red.; PANOV, V.V., kand.tekhn.nauk, red.; ROZHDESTVENSKIY, V.P., kand.khim.nauk, red.; BRUSOV, I.I., red. izd-va; POLENOVA, T.P., tekhn.red.

[Chemistry of sulfur organic compounds in petroleum and petroleum products] Khimiia seraorganicheskikh soedinenii, soderzhashchikhsia v neftiakh i nefteproduktakh. Moskva, 1959. 376 p. (MIRA 12:2)

1. Akademiya nauk SSSR. Bashkirskiy filial, Ufa. 2. Bashkirskiy filial AN SSSR, Otdel khimii (for Obolentsev). 3. Institut nefti AN SSSR (for Gal'pern). 4. Nauchno-issledovatel'skiy inst. goryuche-smazochnykh materialov (for Chertkov).

(Sulfur organic compounds)

ROZHDESTVENSKIY, V.P.

Experiment in obtaining flowering shoots on tomato leaves. [with summary in English]. Biul.MOIP. Otd.biol. 63 no.5:83-88 S-O '58 (MIRA 11:12)
(TOMATOES)

ROZHDESTVENSKIY, V.P.

AYVAZOV, B.R., red.; MASHKINA, A.V., red.; OBOLENTSEV, R.D., red.;
ROZHDESTVENSKIY, V.P., red.; SHANIN, L.L., red.; SUDARKINA, K.I., red.;
RAKHIMOV, R.Sh., tekhn. red.

[Chemistry of sulfur organic compounds in petroleum and petroleum products; papers of the second scientific session] Khimiia seraorganicheskikh soedinenii, soderzhashchikhsia v neftiakh i nefteproduktakh; materialy II nauchnoi sessii. Ufa, Vol. 1., 1958. 228 p.

1. Akademiya nauk SSSR. Bashkirskiy filial, Ufa.
(Sulfur organic compounds)
(Petroleum)
(Petroleum products)

ROZHDESTVENSKIY, V. P.

USSR/Chemical Technology. Chemical Products and Their Application--Treatment of natural gases and petroleum. Motor fuels. Lubricants. I-14

Abs Jour: Ref Zhur-Khimiya, No 3, 1957, 9338

Author : Rozhdestvenskiy, V. P., En'kov, Yu. V., and Usov, Yu. N.

Inst : Saratov University

Title : The Chemical Utilization of Hydrocarbon Gases (A Contribution to Research on the Production of Hydrogen from Natural Gas)

Orig Pub: Nauch. ezhegodnik za 1954 g Saratov, 1955, 566-568

Abstract: A brief presentation of basic results from laboratory work on the production of hydrogen by the reaction of Saratov natural gas and other CH_4-containing gases over a No 1 Ni catalyst at temperatures of 550-800^{0} using steam: gas ratios of 2 : 1 and 3 : 1 and space velocities of 500-17,000

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ROZHDESTVENSKIY V.P.

OBOLENTSEV, R.D.; ROZHDESTVENSKIY, V.P.

Kinetics of catalytic conversion of methane with water vapor.
Zhur. prikl. khim. 29 no.12:1861-1865 D '56. (MLRA 10:6)

1. Saratovskiy gosudarstvennyy univetsitet imeni N.G. Chernyshevskogo.
(Methane) (Hydrogen)

ROZHDESTVENSKIY, Vasiliy Petrovich

[redacted]

[Practical exercises in botany] Prakticheskie zaniatiia po botanike. Moskva, Gos. izd-vo selkhoz lit-ry, 1957. 271 p. (MIRA 11:4)
(Botany--Study and teaching)

L 04870-67 EWT(l) GW

ACC NR: AP7000248 SOURCE CODE: UR/0210/66/000/003/0057/0066

8

AUTHOR: Rozhdestvenskiy, V. S.

8

ORG: Sakhalin Geological Administration (Sakhalinskoye geologicheskoye upravleniye)

TITLE: Tectonics and probable mineral resources of sakhalin

SOURCE: Geologiya i geofizika, no. 3, 1966, 57-66

TOPIC TAGS: tectonics, geologic survey / Sakhalin

ABSTRACT: The author presents a mp of the structural-formation zones of Sakhalin and uses information from 22 sources in the literature in an attempt to establish that the tectonics of Sakhalin, insofar as they have been studies, are favorable for the development of a wide variety of mineral resources and that accordingly far too little has been done in the way of geological exploration of the island, partially due to the ill-founded notion that the geology is unpromising. In the map and text Sakhalin is divided into two structural-formation zones: eastern, eugeosynclinal, and western, miogeosynclinal, separated by a system of deep faults. In each of these regions the author gives a brief description of the formations and the history of geological development of both zones, with the raw materials found or likely to be found in each, and in general, the characteristic features of the metallogeny of Sakhalin. Orig. art. has: 1 figure. [JPRS: 37,058]

UDC: 553.06(571.64)

Card 1/2

L 04870-67

ACC NR: AP7000248

SUB CODE: 08 / SUBM DATE: 13 Mar 65 / ORIG REF: 022

0

Card 2/2

ROZHDESTVENSKIY, V.S.

Mercury mineralization of the Eastern Sakhalin Mountains.
Trudy Sakh. kompl. nauch.-issl. inst. AN SSSR no.15:76-79
'63. (MIRA 17:10)

ROZHDESTVENSKIY, V. S. DECEASED 1948

Microbiology

see ILC

Rozhdestvenskiy, V. T.

AID P - 618

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 22/35

Author : Rozhdestvenskiy, V. T., Dotsent

Title : V. M. Dmitriyev's article: "Determination of an Economical Current-Carrying Capacity in a Cable Distribution Network", in Elektrichestvo, #10, 1953 (Discussion)

Periodical : Elektrichestvo, 8, 81-82, Ag 1954

Abstract : In his criticism of the above article, the author points out that V. M. Dmitriyev's error lay in taking as given and constant not the transmitted capacity (or current) but the cable's area section. Formulae, 2 tables. The discussion is closed by an editor's note.

Institution : Central Asia Polytechnical Institute

Submitted : No date

ROZHDESTVENSKIY, V.T.

On the theory of the transformer of zero-sequence current.
Trudy Inst.energ.AN Uz.SSR no.8:153-161 '55. (MLRA 9:12)

(Electric transformers)

L 7640-66 EWT(d)/EWT(l)/EWP(v)/EWP(k)/EWP(h)/EWP(l)/EWA(h)

ACC NR: AP5025059 SOURCE CODE: UR/0286/65/000/016/0104/0104

AUTHOR: Rozhdestvenskiy, V. V. 34

ORG: none B

TITLE: A multichannel device for recording functional relations in the form of two coordinate diagrams. Class 42, No. 174007

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 104

TOPIC TAGS: multichannel recording device, 15 function generator, two dimension scan, recording system, control system, recording equipment, data recording

14

ABSTRACT: This Author Certificate presents a multichannel device for recording functional relations in the form of two coordinate diagrams. The device contains a tape mechanism and measurement-converter units with follow-up systems which control the recorders of the function values. To broaden the possibility of forms of functional relations which can be recorded, the shaft of the tape mechanism is connected to the measurement-converter follow-up system. An argument value transducer is connected to the input of this follow-up system. To broaden the possibility of controlling by means of the scanning rules of the diagrams obtained,

Card 1/3 UDC: 621.3.087.61 621.3.087.65

2

L 7640-66

ACC NR: AP5025059

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the device is provided with a marker. The marker is positioned on the tape mechanism and records discrete values of the arguments. The device is also provided with a controlling block made of an element which drives the program to the marker (see Fig. 1).

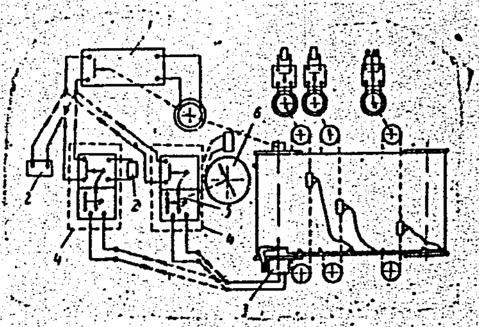

Fig. 1. measurement-converter follow-up system; 2- argument value transducer; 3- discrete value marker; 4- control unit; 5- synchronizer; 6- recorder of the instrument measuring the argument value

The control unit also has a synchronizer and a functional converter which changes the scale of the recording of the arguments. For direct measurement of the argument value and for automatic calibration of the signal of the argument pickup, the synchronizer of the controlling unit is connected with the recording unit of

Card 2/3

L 7640-66

ACC NR: AP5025059

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the instrument which is measuring the argument. Orig. art. has: 1 figure.

SUB CODE: DP/ SUBM DATE: 28Oct63

Card 3/3

LUCHANSKIY, Iosif Aleksandrovich; YANOVSKIY, Aleksandr Aleksandrovich;
ROZHDESTVENSKIY, V.V., dots., retsenzent; FATSMAN, F.M., inzh.,
retsenzent; YEGOROV, S.A., nauchn. red.; LISOK, E.I., red.

[From the oar to the water jet propeller] Ot vesla do vodometa. Leningrad, Izd-vo "Sudostroenie," 1964. 208 p.
(MIRA 17:5)

L 44141-65 EWT(1)/EEC(k)-2/EEC-4/T/EEC(b)-2/EED-2/EWA(h) Pm-4/Pn-4/Pz-6/
Pae-2/Peb/Pl-4 IJP(c) CC

ACCESSION NR: AP5010722 UR/0181/65/007/004/1119/1123 43

42

B

AUTHOR: Kolachevskiy, N. N.; Rozhdestvenskiy, V. V.

TITLE: Generation recombination noise in indium antimonide photoresistor 27

SOURCE: Fizika tverdogo tela, v. 7, no. 4, 1965, 1119-1123

TOPIC TAGS: infrared detector, 58 photoresistor, 25 indium antimonide detector, photodetector, photon counter, generation recombination noise, detector noise

ABSTRACT: The generation-recombination noise of an InSb photodetector was investigated at temperatures >77K and at various infrared radiation levels. A 6 x 0.5 x 0.015 mm sample with nonrectifying contacts was attached to the glass bottom of a Dewar vessel. Incident infrared radiation from a black body was passed through a sapphire window. The noise spectra obtained (see Fig. 1 of Enclosure) showed a two-step structure, indicating at least two different types of generation recombination processes. The low-frequency part of the spectrum was attributed to trapping of holes by acceptors; the high-frequency part, to recombination of excess carriers. The latter part of the curve was associated

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L 44141-65

ACCESSION NR: AP5010722

with generation recombination of excess holes only. The noise spectrum of excess carriers was thus attributed to generation recombination of holes. The temperature dependence of the lifetime of excess holes was measured and found to be in good agreement with that obtained by other authors. The dependence of the lifetime of excess carriers on the number of incident photons, per unit time, was determined and found to be in agreement with the formula derived by the authors for the lifetime of excess carriers. From the noise measurements and the photosensitivity of the sample at a frequency of 1 Kc the noise equivalent power of the detector in the 1 cps bandwidth was found to be 6.2×10^{-11} w. Orig. art. has: 13 formulas and 5 figures. [CS]

ASSOCIATION: Moskovskiy fiziko-tekhnicheskiy institut (Moscow Physico-technical Institute)

SUBMITTED: 26May64 ENCL: 01 SUB CODE: EC

NO REF SOV: 001 OTHER: 008 ATD PRESS: 3247

Card 2/3

L 44141-65

ACCESSION NR: AP5010722 **ENCLOSURE:** 01

0

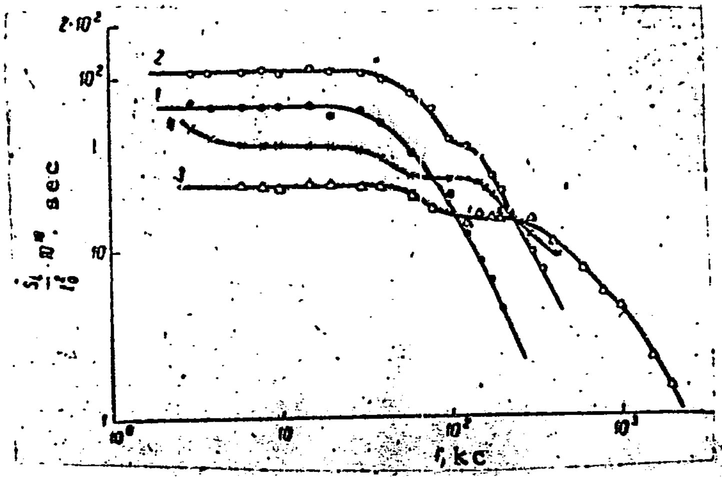

Fig. 1. Typical noise spectra

g, 1/sec: 1 - 0; 2 - 3 x 10^{14}; 3 - 8.2 x 10^{15}; 4 - 3 x 10^{14}; T, °K: 1--3 - 86; 4 - 100.

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Card 3/3

ROZHDESTVENSKIY, V.V.; SOKOLOVA, M.P.; KRIKUNOVA, L.P.

Advanced training for all drillers. Razved. i okh. nedr. 30 no.11:60-61 N '64. (MIRA 18:4)

1.Tyumenskoye geologicheskoye upravleniye (for Rozhdestvenskiy). 2. Tyumenskiy gruppovoy komitet professional'nogo soyuza rabochikh geologorazvedochnykh rabot (for Sokolova). 3. TSentral'nyy komitet professional'nogo soyuza rabochikh geologorazvedochnykh rabot (for Krikunova).

S/0000/63/000/000/0124/0131

ACCESSION NR: AT4025302

AUTHOR: Rozhdestvenskiy, V. V.

TITLE: Development of the method of measuring maximum electron density in a plasma by determining the 'cutoff' of millimeter waves

SOURCE: Diagnostika plazmy* (Plasma diagnostics); sb. statey. Moscow, Gosatomizdat, 1963, 124-131

TOPIC TAGS: discharge plasma, microwave sweep generator, microwave frequency, plasma electrodynamic property, plasma wave reflection, plasma wave absorption

ABSTRACT: The proposed improvement of the method is based on a continuous comparison of the plasma frequency of the investigated discharge with the known frequency of a microwave sweep generator, and on a determination of the instants of time when these frequencies become equal. This establishes the variation of the plasma frequency

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ACCESSION NR: AT4025302

or of the maximum electron density as a function of the time. The indication can be effected by a microwave signal which is either reflected from the plasma or transmitted through it. A measuring setup has been developed for a practical realization of this method, and its construction and operation of the main units are described in detail. The measurements were made at 4 mm wavelength and the experiments have shown that if the receiving and transmitting system is well adjusted, the size of the focal region becomes comparable with the wavelength. The use of this procedure in plasma diagnostics is limited by such characteristics of the measuring apparatus as the bandwidth, measurement precision, sensitivity, resolution, and the operating speed. The effects of the apparatus parameters on these characteristics are briefly mentioned. The proposed procedure is compared with known interferometric methods. When both methods are applicable, the interferometric method yields the time dependences of the average electron density, whereas the proposed method gives the time dependence of the maximum density. The proposed procedure

ACCESSION NR: AT4025302

can be used for plasma pinches of small or time-varying diameter, when an interferometer cannot be used. Orig. art. has: 4 figures and 2 formulas.

ASSOCIATION: None

SUBMITTED: 19Oct63 DATE ACQ: 16Apr64 ENCL: 02

SUB CODE: ME NR REF SOV: 005 OTHER: 002

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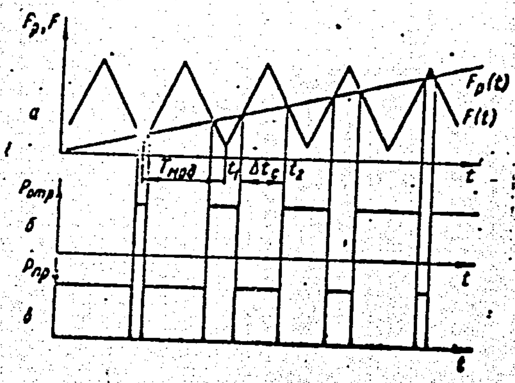
ACCESSION NR: AT4025302

ENCLOSURE: 01



Dependence of plasma frequency (F_p), electromagnetic-wave frequency (F), reflected power (F_{omp}) and transmitted power (F_{np}) on the time.

$T_{MOд}$ - modulation time ,

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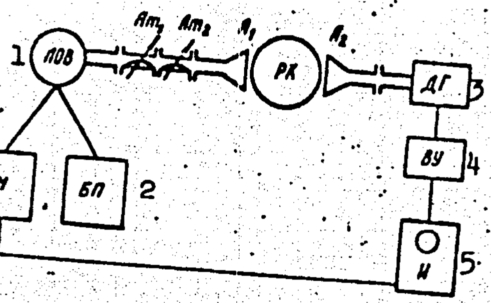
ACCESSION NR: AT4025302

ENCLOSURE: 02



Block diagram of measuring set-up

1 - microwave power source, M - modulator, 2 - power supply, Am_1 - decoupling attenuator, Am_2 - regulating attenuator, A_1 - transmitting antenna, A_2 - receiving antenna, 3 - detector head, 4 - video amplifier, 5 - cathode ray indic. PK - discharge bulb

Card 5/5

ANAN'YEV, Yevgeniy Grigor'yevich; ROVNIK, L.I., red.; ROZHDESTVENSKIY, V.V., red.; TSIBULIN, L.G., red.; MIKHEYEVA, Z.I., red.;

[Under a steel canvas] Pod stal'nym parusom. Tiumen', Tiumenskoe knizhnoe izd-vo, 1963. 207 p. (MIRA 17:9)

KAMERSHTEYN, A.G., kand. tekhn. nauk; ROZHDESTVENSKIY, V.V., kand. tekhn. nauk

New method for calculating pipelines in mining regions. Trudy VNIIST no.15:78-91 '63. (MIRA 17:11)

21(8)

AUTHORS: Alkhazov, D. G., Grinberg, A. P., Lemberg, I. Kh., Rozhdestvenskiy, V. V. SOV/56-36-1-50/62

TITLE: The Coulomb Excitation of Neon (Kulonovskoye vozbuzhdeniye neona)

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959, Vol 36, Nr 1, pp 322-324 (USSR)

ABSTRACT: Such an excitation of levels can be observed not only in the target nucleus but also in the bombarding nucleus, if the latter has a sufficiently high excitation cross section. In the case of most of the work hitherto carried out in connection with Coulomb (Kulon) excitation the targets were bombarded with protons or α-particles. As, however, the nuclei H^1 and H^4 have no suitable levels, the above mentioned phenomenon has hitherto not been observed. However, if heavy ions are used in some cases, an excitation of the nuclear levels may be found in the bombarding particles. The authors investigated the Coulomb excitation of the nuclei Ne^{20} and Ne^{22}, in which case the neon nuclei were accelerated. The energy of the first excited levels of these nuclei

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amounts to 1.63 and 1.275 Mev. The cyclotron was adjusted to the acceleration of one or the other ions by variation of the magnetic field strength with unvaried frequency of the accelerating cyclotron field. As targets Be, B, C, Mg, Al, Si, $Mg^{24}O$, $Mg^{25}O$, $Mg^{26}O$, and ScO were used. According to the authors' calculations the yield of the γ-radiation connected with the Coulomb excitation of Ne^{20} or Ne^{22} must decrease considerably with an increase of the atomic number of the target nuclei. Therefore, only targets with light nuclei were used for the here discussed experiments. The γ-radiation produced by bombarding various targets with neon-ions was recorded by means of a γ-spectrometer with NaJ(Tl)-crystal. Two diagrams show the spectra of γ-rays which were emitted in the case of the Coulomb excitation of the level $\Delta E = 1.63$ Mev (and $\Delta E = 1.275$ Mev respectively) during the bombardment of aluminum with Ne^{20}-ions (or by Ne^{22}-ions respectively). Similar spectra, which indicate excitation of the aforementioned neon nuclei, were found also in connection with the bombarding of the remaining nuclei, with the

The Coulomb Excitation of Neon SOV/56-36-1-50/62

exception of boron and beryllium. In these two exceptional cases the peak with E = 1.63 Mev was not observed during the bombardment with Ne^{20}-ions because of the very strong γ-background. In the case of a bombardment of these targets with Ne^{22}-ions a distinctly marked peak with E = 1.275 Mev is observed. The mean values of B(E2) are 0.041 $e^2.10^{-48}$ cm^4 for the level with ΔE = 1.63 Mev of Ne^{20} and 0.025 $e^2.10^{-48}$ cm^4 for the level with ΔE = 1.275 Mev of Ne^{22}. The mean life τ of these states amounts to $8.6.10^{-13}$ sec and $4.8.10^{-13}$ sec respectively. The authors thank the head of the working group A. B. Girshin, who was responsible for the undisturbed operation of the cyclotron. There are 2 figures and 7 references, 2 of which are Soviet.

ASSOCIATION: Leningradskiy fiziko-tekhnicheskiy institut Akademii nauk SSSR (Leningrad Institute of Physics and Technology of the Academy of Sciences, USSR)

Card 3/4

ROZHDESTVENSKIY, V.V.

21 (7), 21 (8)
AUTHOR: Rudakov, V. P.
SOV/89-7-1-18/26

TITLE: IX All-Union Conference on Nuclear Spectroscopy
(IX Vsesoyuznoye soveshchaniye po yadernoy spektroskopii)

PERIODICAL: Atomnaya energiya, 1959, Vol 7, Nr 1, pp 70-73 (USSR)

ABSTRACT: The IX All-Union Conference was held from January 26 to
February 2, 1959 at Khar'kov. More than 300 participants heard
100 lectures, the most important of which dealt with the
following fields. Nuclear Theory: General problems of β-decay.
A. S. Davydov (MGU): Theoretical classification of low-energy
excited nuclear states. L. K. Peker: Deformed nuclei. B. L.
Birbrair, L. K. Peker, L. A. Sliv (LFTI): Quadrupole
oscillations of deformed nuclei. Ye. V. Inopin, V. N. Gonchar,
S. P. Tsytko (KhFTI): Calculation of the ft-values with matrix
elements for β-transitions by means of the generalized nuclear
model. S. T. Belyayev (IAE): Consideration of pair-correlation
in nuclei. A. B. Migdal (IAE): The application of the super-
conductivity model to nuclei for the purpose of calculating
their moments of inertia. P. E. Nemirovskiy (IAE): Problems of
the neutron stability of nuclei. [illegible] (IAE): The

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present stage in the theory of β-decay. V. V. Vladimirskiy,
V. K. Grigor'yev, V. A. Yergakov, Yu. V. Trebukhovskiy (ITEF):
Measurement of the angular correlation between electron and
neutrino in the decay of the neutron. V. M. Lobashev, V. A.
Nazarenko, L. I. Rusinov (LFTI): Measurement of the correlation
between the transversal electron polarization and circular
polarization of γ-quanta occurring in the decay of
Sc^{46} and Co^{60}. Decay Schemes. γ-radiation of Nuclei. Yu. V.
Anufriyev, A. K. Val'ter, Yu. V. Gonchar, Ye. G. Kopanets,
A. N. L'vov, P. M. Tutakin, S. P. Tsytko, D. V. Sorokin, A. S.
Deyneko, I. Ya. Malakhov, A. Ya. Taranov (Fiziko-tekhnicheskiy
Khar'kovskiy Institut (Physico-technical Institute, Khar'kov)):
The $Si^{28,29,30}(p,\gamma)$, $Ne^{20}(p,\gamma)$, $S^{32,34}(p,\gamma)$, $Ar^{40}(p,\gamma)$ and $N^{14}(p,\gamma)$
reactions. D. G. Alkhazov, A. P. Grinberg, G. M. Gusinskiy,
M. Kh. Lemberg, V. V. Rozhdestvenskiy, K. N. Yerokhina of the
Leningradskiy fiziko-tekhnicheskiy institut (Leningrad Physico-
technical Institute): Investigation of the Coulomb excitation
of the lower levels of some nuclei during their bombardment by
multiply charged ions (C, N, O, and Ne). A. V. Kalyamin, A. N.
Murin, V. N. Pokrovskiy, V. A. Yakovlev (RIAN): New isotopes
Tu^{161}, Ho^{153}, Ho^{155} and Ho^{157}. B. S. Dzhelepov, V. A.
Sergiyenko (LGU): Decay schemes of some neutron-deficient
isotopes, set up on the basis of measurements of the coinci-
dence of the internal conversion electrons. Spectroscopy
Engineering. B. S. Dzhelepov, M. B. Ivanov, V. [illegible]
V. G. Chumin (RIAN): α-spectrometer with double focusing.
S. A. Baranov, V. V. Baruchko, A. G. Zelenkov, A. F. Malov,
V. Ya. Shchepkin (IAE): Improved α-spectrometer. L. F.
Barchuk, G. V. Belykh, V. I. Golyshkin, V. A. Kravtsov (IFAN
UkrSSR): Magnetic spectrograph for heavy charged particles.
The representatives of the Ministerstvo radiotekhnicheskoy
promyshlennosti (Ministry of the Radio-engineering Industry)
gave a report about new multipliers. The Conference was
closed by B. S. Dzhelepov, who stressed the fact that nuclear
tables and reference works ought to be published much more
quickly in order to be of real use to the experimenter.

Card 3/3

51

KOLACHEVSKIY, N. N.; ROZHDESTVENSKIY, V. V.

Study of the low-frequency spectrum of magnetic noise. Radiotekh. i elektron. 8 no.1:53-56 Ja '63. (MIRA 16:1)

(Ferrates) (Magnetic materials)
(Radio—Noise)

KAMERSHTEYN, Anatoliy Grigor'yevich; ROZHDESTVENSKIY, Vladimir Vladimirovich; RUCHIMSKIY, Mark Nikolayevich; RABINOVICH, Ye.Z., red.; POLOSINA, A.S., tekhn. red.

[Calculating the strength of pipelines]Raschet truboprovodov na prochnost'; spravochnaia kniga. Moskva, Gostoptekhizdat, 1963. 427 p. (MIRA 16:4)

(Pipelines)

AUTHORS: Chinenkov, Yu. V. and Rozhdestvenskiy, V.V. (Candidates of Tech.Sci.)

100-5-2/10

TITLE: Use of apparatus for reinforced concrete pretensioned constructions with closely grouped reinforcement. (Opyt ekspluatatsii oborudovaniya dlya zhelezobetonnykh napryazhennykh konstruktsiy s puchkovoy armaturoy).

PERIODICAL: "Mekhanizatsiya Stroitel'stva" (Mechanisation of Construction), 1957, Vol.14, No.5, pp.6 - 8 (USSR).

ABSTRACT: A double-action jack, manufactured by Glavstroymekhanizatsiya Minmetallurgkhimstroy, is used for the pretensioning of reinforcement of reinforced concrete frames of 27 m span. The pressure installations for the jack and handguns for injecting cement grout into the channels were manufactured by a factory of the Ministry of Building and Road Building Machinery (Ministerstvo Stroitel'nogo I Dorozhnogo Mashinostroyeniya). The double-action jack was designed for the tensioning of reinforcement in "bundles" of 12 of 3-5 mm diameter wires. It comprises a pressure cylinder, an anchoring mechanism and a wedging mechanism (of conical shape). The wires are spaced evenly in grooves of the collar of the anchoring cone. On the application of pressure the conical head of the jack presses against the

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100-5-2/10

Use of apparatus for reinforced concrete pretensioned constructions with closely grouped reinforcement. (Cont.)

plate and the collar, with wedged in wires, together with the pressure cylinder move in reverse thus performing the tensioning. The capacity of the jack = 30 tons, the maximum movement = 300 mm. The maximum tension on the wedges = 12 tons, the piston movement of the anchoring = 50 mm, the jack is resting on a base of 40 cm^2. Results of the calibration of the jack are shown in Diagram 3. The discrepancy between theoretical and practical curves of calibration when loading with 10 - 30 tons = 1.9 tons. The bottom reinforcement of the above mentioned frame has 5 "bunches", each containing 12 wires of 5 mm diameter. Each "bunch" is tensioned to 18 - 20 tons, corresponding to the overall loading of 91 tons on the bottom layer. If the theoretical calibration is used for the tensioning each "bunch" is tensioned up to 2.1 t less, i.e. the total tensioning of the lower layer of the frame would be 11 - 12% smaller and the factual coefficient of safety against crazing would be between 1.07 - 1.08 instead of 1.2. It is recommended, therefore, that each jack should be checked before use. The pumping mechanism "CM-528" is designed for the double-action jack, but the hand-operated pump T-57 can also be used. The

Card 2/3

100-5-2/10

Use of apparatus for reinforced concrete pretensioned constructions with closely grouped reinforcement. (Cont.)

latter is operated by a 4 l. capacity oil tank. Shaft-oil Z is used as pressure liquid, but turbine oil L can also be utilised. The max. hydraulic working pressure = 300 kg/cm^2. The aggregate pump adapted for the jack was proved to be satisfactory but further improvements are required. A hand-operated single stage piston pump is used for injecting cement grout into the channels along the pretensioned reinforcement. This is built into a wheelbarrow of 120 litre capacity. The max. working pressure is 6 atm when 16 kg of pressure is applied; the pressure of the injected grout is 2 atm.

There are 6 figures.

AVAILABLE:

Card 3/3

S/109/63/008/001/007/025
D271/D308

AUTHORS: Kolachevskiy, N. N. and Rozhdestvenskiy, V. V.

TITLE: Investigation of the low frequency spectrum of magnetic noise

PERIODICAL: Radiotekhnika i elektronika, v. 8, no. 1, 1963, 53-56

TEXT: Results are reported of an experimental study of magnetic noise in the range of 5 - 500 c/s, with magnetizing current frequencies between 3 and 30 c/s. The only satisfactory models of magnetic noise are those for which $F(\omega) = 0$ at $\omega = 0$ where $F(\omega)$ is the spectral density of noise. It is easier to find a suitable model when large Barkhausen jumps are considered. An expression for the spectrum is quoted from a paper by N. N. Kolachevskiy (Tr. MFTI, 1959, 4, 17) which is valid when a single Barkhausen jump occurs in each half-cycle, the magnetic moment is subjected, from cycle to cycle, to non-correlated fluctuations, the jump accounts for the magnetization reversal in a part of the specimen whereas reversible processes take place in the remaining part, and EMF

Card 1/2

KAMERSHTEYN, A.G., kand. tekhn. nauk; ROZHDESTVENSKIY, V.V., kand. tekhn. nauk

Design of pipelines according to limiting states in regions undercut by mining. Stroi. truboprov. 8 no.6:18-21 Je '63. (MIRA 16:7)

(Pipelines--Design and construction)

[illegible], V. V.

ROZHDESTVENSKIY, V. V. -- "Designing Outer Casings of Rotating Bodies and Taking into Account Plastic Deformations." Central Sci Res Institute of Industrial Installations, Moscow, 1956. (Dissertation for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis' No 43, October 1956, Moscow

SOV/124-57-5-5940

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 5, p 133 (USSR)

AUTHOR: Rozhdestvenskiy, V. V.

TITLE: On the Limiting States of Thin Shells of Various Cross-sectional Shapes (K voprosu o predel'nykh sostoyaniyakh sechenii tonkikh obolochek)

PERIODICAL: V sb.: Issledovaniya po vopr. stroit. mekhan. i teorii plastichnosti. Moscow, 1956, pp 223-232

ABSTRACT: When a shell is in its limiting state of equilibrium, a certain specific interrelationship prevails between the bending moments M_1 and M_2, on the one hand, and the longitudinal forces N_1 and N_2 acting along the shell's principal directions, on the other. Within the four-dimensional space M_1, M_2, N_1, N_2 this interrelationship determines a certain closed yield hypersurface which encompasses the region of those stress distributions which the shell is capable of withstanding. The author seeks an equation for this yield hypersurface by: 1) employing the Mises flow criterion, 2) varying the pattern of stress distribution throughout the shell's thickness, and 3) assuming the maximum for one of the force factors and the prescribed values for

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SOV/124-57-5-5940

On the Limiting States of Thin Shells of Various Cross-sectional Shapes

the others. This approach was used previously on the more narrowly specific problems examined by A. R. Rzhanitsyn [Raschet sooruzheniy s uchetom plasticheskikh svoystv materiala (Analysis of Structures With Allowance Made for the Plastic Properties of the Material). Stroyvoyenmorizdat, 1949] and on those examined by A. A. Gvozdev [Raschet nesushchey sposobnosti konstruktsiy po metodu predel'nogo ravnovesiya (Bearing-capacity Analysis by the Limiting-state Method). Stroyizdat, 1949]. By way of illustration the author sets up the yield surfaces for the two cases of: a) a moment-free stress condition, and b) a stress condition characterized by the presence of both a moment and a longitudinal force.

G. S. Shapiro

Card 2/2

ROZHDESTVENSKIY, V.V., inzh.; YEGOROVA, N.O., red.izd-va; STEPANOVA, E.S., tekhn.red.

[State of limit equilibrium in junctions of shells of revolution] Sostoianiia predel'nogo ravnovesiia sopriazhenii obolochek vrashcheniia. Moskva, Gos. izd-vo lit-ry po stoit. i arkhit., 1957. 36 p. (Akademiia stroitel'stva i arkhitektury SSSR. Institut stroitel'nykh konstruktsii. Nauchnoe soobshchenie, no.1)
(Elastic plates and shells) (MIRA 11:11)

ANDREYEVSKIY, N.A.; BARANOV, S.M.; VANSHEYDT, V.A., professor, doktor tekhnicheskikh nauk; VELIKSON, D.M.; GENDLER, L.V.; IVANCHENKO, N.N.; ISTOMIN, P.A.; KATS, A.M. [deceased]; KOLLEROV, L.K.; LEVIN, M.I.; NIKITIN, M.D.; ROZHDESTVENSKIY, V.V.; GOFMAN, Ye.K., redaktor izdatel'stva; POL'SKAYA, R.G., tekhnicheskiy redaktor

[Diesel engines; a handbook for designers] Dizeli; spravochnoe posobie konstruktora. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. litry, 1957. 442 p. (MLRA 10:10)
(Diesel engines)

L 36274-65 EWT(1)/EPA(sp)-2/EPA(w)-2/EEC(t)/T/EWA(m)-2 Pz-6/Po-4/Pab-10/
Pi-4 IJP(c) AT
ACCESSION NR: AP5008172 S/0286/65/000/005/0053/0053

4B

AUTHOR: Rozhdestvenskiy, V. V.

TITLE: An instrument for determining maximum electron density in plasma. Class 21, No. 168807

4

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 5, 1965, 53

TOPIC TAGS: plasma, electron density, high frequency microwave generator, modulator, electric discharge

ABSTRACT: This Author Certificate presents an instrument for determining the maximum electron density in plasmas. It contains a high-frequency generator, antenna-feeder instrument, and a receiver for signal recording. A microwave sweep-generator is added to the system in the millimeter range. Its frequency can be tuned in the octave range by means of a modulator. This is done to obtain a multiple value plasma electron density and the dependence of this density on the duration time after the discharge.

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. I. Ioffe AN SSSR (Physico-technical Institute, AN SSSR)

SUBMITTED: 29Jul63 ENCL: 00 SUB CODE: ME, EC

NO REF SOV: 000 OTHER: 000

Card 1/1

ROZHDESTVENSKIY, V.Ya.

Rare case of removal by high section of the bladder, of a bullet which was lodged in the pelvis for 27 years. Khirurgiia no.9:70 S '53.
(MLRA 6:11)

1. Iz Michurinskoy gorodskoy bol'nitsy.
(Bladder--Surgery) (Pelvis--Foreign bodies)

ROZHDESTVENSKIY, Ya. N.

Significance of modifications of lipid content in blood serum in hypertension. Tr. Akad. med. nauk SSSR Vol.20: 96-103 1952. (CIML 25:5)

1. Of the Institute of Therapy (Director -- A. L. Myasnikov, Active Member AMS USSR), Academy of Medical Sciences USSR.

ROZHDESTVENSKIY, Ye.D.; ASKAROV, Kh.A.

Effect of the qualitative composition of colloid-containing loess soils on sagging. Dokl. AN Uz.SSR no.2:35-37 '59. (MIRA 12:4)

1. Institut vodnykh problem i gidrotekhniki AN UzSSR. Predstavleno akademikom AN UzSSR A.S. Sadykovym.
(Soil mechanics) (Loess)

ROZHDESTVENSKIY, Ye.D.; ZAPROMETOV, S.G., kand. tekhn. nauk, otv. red.; ASTAKHOV, A., red.; GOR'KOVAYA, Z.P., tekhn. red.

[Forest soils of Uzbekistan as materials for earthen dams] Lessovye grunty Uzbekistana kak material dlia zemlianykh plotin. Tashkent, Izd-vo Akad. nauk UzSSR, 1962. 204 p. (MIRA 16:4)

(Uzbekistan--Earthwork)

ROZHDESTVENSKIY, Ye.D.; ASKAROV, Kh.A.; URMANOVA, G.L.; SHEYKHET, I.M.

Deep compaction of soils as a seepage preventing measure in canals.
Mat. po proizv. sil. Uzb. no.15:214-220 '60. (MIRA 14:8)

1. Institut vodnykh problem i gidrotekhniki AN Uzbekskoy SSR.
(Golodnaya Steppe--**Irrigation canals and flumes**)
(Soil stabilization)

ROZHDESTVENSKIY, Ye.D.; URMANOVA, G.L.

Behavior of loess and sand subjected to vibration. Izv.AN Uz.SSR.Ser.tekh.nauk no.4:53-61 '60. (MIRA 13:8)

1. Institut vodnykh problem i gidrotekhniki AN UzSSR.
(Soil mechanics)

ROZHDESTVENSKIY, Ye.D.

Determining the granulometric composition of tenacious soils for use in solving hydraulic engineering problems. Izv. AN Uz.SSR.Ser.tekh.nauk 6 no.2:40-48 '62. (MIRA 15:7)
(Particle size determination)
(Soils--Analysis) (Hydraulic engineering)

ROZHDESTVENSKIY~~, Ye.D.;~~ MIL'KIS, B.Ye.

Nature of motion of water suspended by capillarity in the soil during evaporation from its surface. Izv.AN Uz.SSR.Ser.tekh.nauk no.2:74-84 '59. (MIRA 12:7)

1. Institut vodnykh problem i gidrotekhniki AN UzSSR.
(Soil moisture)

SOV/124-57-3-3559

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 3, p 135 (USSR)

AUTHOR: Rozhdestvenskiy, Ye. D.

TITLE: On the Determination of the Compressive Properties of Soils (Ob opredelenii kompressionnykh svoystv gruntov)

PERIODICAL: Dokl. AN UzSSR Nr 7, pp 19-22

ABSTRACT: It is established experimentally that the standard method of determining zonal densities with the aid of compression curves of soil pastes (ground soil particles mixed with water) is inadmissible, because it yields values that are considerably at variance with the actual density distribution within the body of a structure. In the investigations, which dealt with three types of dam construction (filling, filling and rolling, and hydraulic deposition), the porosity or void ratio of the body of the structure was in all instances greater than that of the soil paste under identical pressure. Owing to the fact that the structure of soil packed in the body of the structure differs from that of the paste, the compression curves for actual soils lie higher than the corresponding curves for the soil pulps. In order to avoid unnecessary expenditures, the compression properties of soils from quarries

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SOV/124-57-3-3559

On the Determination of the Compressive Properties of Soils

should be determined on samples which are obtained in the same manner as that employed in packing of the soil into the body of the structure, a condition which may be satisfied with the aid of model studies. It is noted that compressive testing should be carried out under salinity conditions that are analogous to those encountered in the actual operation of the full-scale structure.

K. K. Glazenap

Card 2/2

ROZHDESTVENSKIY, Ye.D.

Chemical testing of loess soils used in rammed earth building.
Izv. AN Uz. SSR.Ser.tekh.nauk no.1:73-80 '58. (MIRA 11:6)

1. Institut vodnykh problem i gidrotekhniki AN UzSSR.
(Loess--Testing) (Building, Adobe)

ROZHDESTVENSKIY, Ye.D.; SHUL'GINA, V.P.

Shrinkage of loess-type soils and how it is affected by certain salts.
Trudy Inst.soor.AN Uz.SSR no.7:225-239 '55. (MIRA 10:3)
(Loess)

ROZHDESTVENSKIY, Ye. D.

"Group Composition of Colloidal Slimy Particles of Loess-Like Grounds and Their Significance" (Sedimentary Formation and Lithology, Silstone-Clay Rocks) Dokl. AN Uzb. SSR, No 9, 1953, pp 18-21 (Uzbekistan resume)

Abs

W-31146, 1 Fbb 55

ROZHDESTVENSKIY, Ye. D.

"Agressive Effect of Water on Portland Cement", Gridrotekh. Stroi, No. 4, 1949.

Cand Tech Sci.

ROZHDESTVENSKIY, Ye. D.

"Saline Loess-type Grounds as Constructional Material for Earthen Hydrotechnical Structures," Tr. In-ta sooruzheniy AN UzSSR, No 4, pp 3-18, 1954

The author considers experimental data on the influence of salts upon the constructional properties of loess-type grounds: compression, density, resistance to shifting, to filtration, to settling, swelling, sorptional capacity, characteristic moisture contents. Three samples of grounds with additions of salts $NaCl$, $CaSO_4$, Na_2SO_4, Na_2CO_3, $MgSO_4$ in solid form and in solutions of various concentration were investigated. He shows that chloride and sulfate salts, with the exception of $CaSO_4$, improve the main constructional properties of loess-type grounds; calcium sulfate, on the contrary, somewhat worsens them. The author does not explain the influence of sodium sulfate. The author concludes that loess-type grounds with salts up to 10% can be used for construction. (RZhGeol, No 4, 1955)

Sum. No. 681, 7 Oct 55

ROZHDESTVENSKIY, Ye.D.

Effect of certain salts on the structural development of loess-type soils. Trudy Inst. soor. AN Uz.SSR no.7:203-216 '55. (MLRA 10:3)
(Loess)

ROZHDESTVENSKIY, Ye.D.

Saline loess-type soils as a building material for hydraulic earth structures. Trudy Inst.soor. AN Uz.SSR no.5:3-18 '54.
(MIRA 8:10)
(Soil mechanics) (Hydraulic engineering)

ROZHDESTVENSKIY, Ye.D.

ROZHDESTVENSKIY,Ye.D.; OBEL'CHENKO,A.N.

The effect of water soluble salts on the compaction process of loess-type soils Trudy Inst.soor. AN Uz.SSR no.5:19-33 '54.
(Soil mechanics) (MIRA 8:10)

ROZHDESTVENSKIY, YE. D., AND OBEL'CHENKO, A. N.

Influence of Water-Soluble Salts Upon the Process of Compression of Loess-Type Grounds
Tr. In-ta sooruzheniy AN UzSSR, no. 5, 1954, pp 19-33

The authors expound the results of laboratory investigations into the action of salt solutions and salts in solid form upon the process of compression of loess-type grounds with broken structure (heavy dustlike sandy loam and light dustlike loam (sand and clay). Experiments were conducted with ground pastes prepared by addition to the grounds of various salts ($NaCl$, Na_2CO_3, Na_2CO_3, Na_2SO_4, $CaSO_4$, $MgSO_4$, $MgSO_4$) in solid form or their solutions at various concentrations. (RZhGeol, NO 3, 1955)

SO: Sum. No. 639, 2 Sep 55

ROZHDESTVENSKIY, YE. D., SHUL'GINA, V. F.

~~ROZHDESTVENSKIY, YE. D., SHUL'GINA, V. F.~~

Loess

Contraction of loess soils under the influence of water-scluble salts., Gidr. 1 mel. no. 1, 1952

9. Monthly List of Russian Accessions, Library of Congress, March 1953 2 Uncl.

ROZHDESTRVENSKIY, YE. D.

USSR/Engineering - Hydraulics, Grounds Jan 52

"Compacting Capability of Loess Grounds and Effect of Water-Soluble Salts on the Compacting Process," Ye. D. Rozhdestrvenskiy, Cand Tech Sci, V. P. Shul'gina

"Gidrotekh i Melio" No 1, pp 51-63

Clarifies the nature of ground consolidation and studies effect of $NaCl$, $NgSo_4$, $CaSo_4$ and Na_2SO_4 on capability of grounds to be compacted. Establishes that loess-type grounds of Central Asia may be used as construction materials for hydraulic earth structures.

202T61

ROZHDESTVENSKIY, Ye. D.; SHUL'GINA, V. P.

Loess

Contraction of loess soils under the
unfluence of water-soluble salts.,
Gidr. i. mel., no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, March 1952. UNCLASSIFIED.

ROZHDESTVENSKIY, Ye.D. Prinimali uchastiye: GORBUNOV, B.P., kand. tekhn. nauk; SHUL'GINA, V.P., kand. tekhn. nauk; OBEL'CHENKO, A.N., kand. tekhn. nauk; KUDRINA, S.A., kand. khim. nauk; KURBANOV, B.P., otv. red.; BAKLITSKAYA, A.V. red.; BARTSEVA, V.B., tekhn. red.

[Physical properties of the loess soils of Uzbekistan] Fizikotekhnicheskie svoistva lessovykh gruntov Uzbekistana. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1960. 269 p. (MIRA 14:9)
(Uzbekistan—Loess)

ROZHDESTVENSKIY, Ye. V.

ROZHDESTVENSKIY, Ye. V. -- "The Intraorganic Lymphatic System of the Human Uterus." Min Health RSFSR. Leningrad Sanitary-Hygiene Medical Inst. Leningrad, 1955. (Dissertation for the Degree of Candidate in Medical Sciences).

So.: Knizhnaya Letopis', No. 2, 1956.

ROZHDESTVENSKIY, Ye.V.

3-11-15/17

AUTHOR: Rozhdestvenskiy, Ye.V., Department Head of Educational Institutions of the Omsk Obkom KPSS

TITLE: At one of the Vuz Centers in Siberia (V odnom iz vuzovskikh tsentrov Sibiri)

PERIODICAL: Vestnik Vysshey Shkoly, 1957, # 11, pp 83 - 86 (USSR)

ABSTRACT: The author describes the development of educational institutions at Omsk since the Revolution. During this period the following vuzes were founded: the Siberian Institute of Agriculture and Industry (founded in 1918); the Veterinary-Zootechnical Institute, the Omsk Medical Institute; the Siberian Automobile and Highway Institute; the Omsk Pedagogical Institute; the Omsk Machine-Building Institute and the Institute of Physical Culture. The Institute of Agriculture is now training about 4,000 students. There are 45 chairs with 14 professors and doctors of sciences, and 92 dotsents and candidates of sciences. The Veterinary Institute comprises 1,100 students. Among its 98 instructors there are 10 professors and 37 dotsents. The Medical Institute comprises three faculties where 3,000 students are trained. The teaching staff consists of 300 persons, among them 23 professors, 83 dotsents and candidates. The Institute graduated 7,133 physicians.

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At one of the Vuz Centers in Siberia

3-11-15/17

The Siberian Automobile and Highway Institute consists of the road-building and automechanical faculties. The Omsk Pedagogical Institute was founded in 1932. There are now 125 scientific workers, The program also covers correspondence and evening courses. The Machine Building Institute, founded in 1942, was organized on the basis of the evacuated Voroshilovgrad Machine Building Institute for Evening Courses. There are now 1,962 students, 932 of them attending day courses. There is also a section of evening courses. The Institute of Physical Culture was founded in 1950. The author enumerates some well known personalities of the above mentioned vuzes, at the Institute of Agriculture: Professors V.S. Titov, N.P. Peskov, G.G. Petrov, S.S. Neustruyev, N.N. Andreyev and G.S. Landsberg, Professors N.I. Gribanov, V.A. Shingarev, Ya.S.Zaykovskiy; at the Veterinary Institute: Professors Yu.I. Ivanov, A.N. Chebotarev, A.F. Dorofeyev, A.I. Akayevskiy, I.Ya. Tikhonin; at the Medical Institute: Professors B.P. Pervushin, P.M. Starkov, O.D. Sokolova-Ponomareva; at the Automobile and Highway Institute: Professors V.I. Anokhin and M.I. Kisleyev; Professors K.P. Gorshenin, and A.D. Kizyurin at the Institute of Agriculture at the Veterinary Zoo-technical Institute: Professors N.P. Govorov, D.Ya. Krinitsin, M.K. Dalmatov, V.A. Tsingovatov and

Card 2/3

At one of the Vuz Centers in Siberia

3-11-15/17

and A.Ye. Yefimov.

ASSOCIATION: Sektor uchebnykh zavedeniy Omskogo obkoma KPSS (Department of Educational Institutions of the Omsk obkom of the KPSS)

AVAILABLE: Library of Congress

Card 3/3

ROZHDESTVENSKIY, Ye.V., kand.med.nauk

Lymphatic vessels of mucous membranes of the uterus and changes during the menstrual cycle [with summary in English]. Akush. i gin. 34 no.5:76-80 S-O '58 (MIRA 11:10)

1. Iz kafedry normal'noy anatomii (ispolnyayushchiy obyazannosti zav. - dots. V.N. Nadezhdin; nauchnyy rukovoditel' - chlen-korrespondent AMN SSSR prof. D.A. Zhdanov) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

(UTERUS, physiol.
mucous lymphatic vasc. changes during menstrual cycle (Rus))

(MENSTRUATION, physiol.
cyclic changes in lymphatic vessels of mucous membranes of uterus (Rus))

(LYMPHATIC VESSELS, physiol.
changes in lymphatic vessels of uterine mucous membranes (Rus))

ROZHDESTVENSKIY, YE. V.

EXCERPTA MEDICA SEC 5 Vol 12/6 Gen. Path. June 59

1558. LYMPH VESSELS OF THE ENDOMETRIUM AND THEIR CHANGES DURING THE MENSTRUAL CYCLE (Russian text) - Rozhdestvensky E. V. AKUSH. I GINEK. 1958/5 (76-80) Illus. 4

The lymphatic system of the human endometrium has been studied on 33 slides at different stages of the menstrual cycle. The lymph vessels were studied by the method of intra-tissue injection of modified blue mass of Gerota. The investigations revealed that the lymphatic system of the endometrium is represented by networks of lymph capillaries located in superficial and deep layers of the endometrium. In the superficial layers of the endometrium the wide lymph capillaries lie between the stomas of uterine glands, forming a network of varying shape and size of loops. The superficial lymph network is connected with the capillaries of the deep network, which are situated in several layers between groups of uterine glands. With the development of the secretory phase an increase is observed of the sizes of lymph capillaries as well as change of shape, size and orientation of loops of capillary networks, the architecture of which depends on the functional state of the glands. (X, 5)

USSR/Human and Animal Morphology (Normal and Pathological) Lymph System S-4

Abs Jour : Ref Zhur - Biol., No 12, 1958, No 55146

Author : Rozhdestvenskiy Ye.V.
Inst : Leningrad Institute of Medicine and Sanitary Hygiene
Title : The Internal Lymph System of the Human Uterus

Orig Pub : Tr. Leningr. san.-gigien. med. in-ta, o957, 35, 207-220

Abstract : The Lymph system of the mucosa membrane of the uterus (69 uterus specimens were studied) consists of capillary networks, which are arranged in its shallow and deep layers, and which are interconnected with each other. Before sexual maturity, the lymphatic capillaries (LC) of the mucosa are represented by one shallow network. During climacteric and postclimacteric periods, the uterine glands and the deep LC network are subjected to an involution. The deep LC network of the uterus mucosa is connected with the LC myometrium. The LC of the muscular membrane of the uterus is situated in

Card : 1/2

ROZHDESTVENSKIY, Ye.V.

Lymph vessels of the tunica muscularis of the human uterus and their changes in pregnancy. Trudy LSGMI 65:192-198 '61. (MIRA 17:4)

1. Kafedra normal'noy anatomii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - prof. V.N.Nadezhdin).

ROZHDESTVENSKIY, Ye.V.

Intraorganic lymphatic bed of the parotid salivary gland. Arkh. anat., gist. i embr. 48 no.5:77-80 My '65. (MIRA 19:1)

1. Kafedra normal'noy anatomii (zav. - prof. V.N. Nadezhdin) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta. Submitted October 17, 1962.

BABURIN, V.M. (Moskva); MATVEYEV, P.S. (Moskva); ROZHDESTVENSKIY, Yu.B.
(Moskva); SORKIN, Yu.I. (Moskva)

Use of experimental data in calculating the distribution functions of a random process. Avtom. i telem. 23 no.5:571-580 My '62.
(MIRA 15:5)

(Automatic control)

L 41421-65 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l) Pf-4 GS 33
ACCESSION NR: AT5009736 UR/0000/65/000/000/0183/0220 32
B+1

AUTHOR: Baburin, V. M.; Lenskiy, V. L.; Matveyev, P. S.; Rozhdestvenskiy, Yu. B.

TITLE: Errors during the use of the statistical method for the study of control objects

SOURCE: Analiticheskiye samonastraivayushchiyesya sistemy avtomaticheskogo upravleniya (Analytical adaptive control systems). Moscow, Izd-vo Mashinostroyeniye, 1965, 183-220

TOPIC TAGS: statistical method accuracy, random process, correlation characteristic, spectral density, integral equation solution accuracy, automatic control system 14

ABSTRACT: V. V. Solodovnikov based the design of analytic adaptive systems and the statistical determination of the dynamic characteristics of controlled objects under normal operating conditions on an extensive use of computers (Statisticheskaya dinamika lineynykh sistem avtomaticheskogo upravleniya, Fizmatgiz, 1960). These machines evaluate the correlation characteristics and spectral densities of random processes and generate solutions of equations of the

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type

$$R_{xy}(\tau)=\int_0^\infty R_y(\tau-\lambda)k(\lambda)d\lambda \tag{0.1}$$

from given experimental data. The present article: 1) analyzes in detail the errors in the determination of the statistical characteristics of random processes computed from experimental data; and 2) analyzes the accuracy and authenticity of the solutions of the above integral equation obtained by substituting it by a system of linear algebraic equations. "The calculations were carried out by N. P. Chernysheva." Orig. art. has: 184 formulas, 17 figures, and 1 table.

ASSOCIATION: None

SUBMITTED: 15Dec64 ENCL: 00 SUB CODE: IE, MA

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D407/D301

C.9200

AUTHORS: Baburin, V.M., Matveyev, P.S., Rozhdestvenskiy, Yu.B., and Sorkin, Yu.I. (Moscow)

TITLE: On calculating the distribution function of a random process from experimental data

PERIODICAL: Avtomatika i telemekhanika, v. 23, no. 5, 1962, 571 - 580

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TEXT: The error which arises in calculating the distribution function of a random stationary process, is estimated. Numerical results are obtained for the case of an exponential correlation-function. Criteria are obtained for testing the hypothesis of a normal distribution. Let F(x) denote the distribution function of the stationary random process $\xi(t)$. In the references, the following estimate is used for F(x):

$$F_T(x) = T_x/T \quad (1)$$

where T_x is the total time during which $\xi(t) \leqslant x$. In the experimen-

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tal determination of F(x), the total error is composed of the theoretical- and the instrument error. In the following, only the theoretical error is considered. The latter depends on the time T, on the number of points x_k, at which $F_T(x)$ is calculated, and on their disposition. The mean-square error

$$\delta^2(x) = MF_T^2(x) - F^2(x) = M\,[\frac{1}{T}\int_0^T \eta(t)\,dt]^2 - F^2(x) \qquad (3)$$

is considered, where

$$\eta(t) = \eta_x(t) = \begin{cases} 1 \text{ for } \xi(t) \leqslant x \\ 0 \text{ for } \xi(t) > x \end{cases} \qquad (4)$$

represents a new process. Denoting by $R_\eta(\tau)$ the autocorrelation function of the process $\eta(t)$, and assuming that $\xi(t)$ is a Gaussian process, it is possible to express F(x) in the form of a normal distribution function $\Phi(x)$. Further, the correlation function $R_\eta(t)$ is calculated by the formula

$$\delta^2(x) = \frac{2}{T}\int_0^T (1 - \frac{\tau}{T})[R_\eta(\tau) - \Phi^2(x)]d\tau. \qquad (22)$$

As an example, the case of an exponential correlation-function is considered:

$$\rho(\tau) = e^{-\gamma(\tau)}. \qquad (24)$$

With $T > 20$, one obtains for the upper estimate of the error:

$$\varepsilon^2(x) = \frac{2\Delta\tau}{T}\sum_{i=0}^{16}[R_\eta(i\Delta\tau) - \Phi^2(x)]. \qquad (26)$$

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The results of the calculations are shown in the form of graphs (for T = 50, 100, 500 and 1000). From the latter it is evident that the largest error occurs with $x = 0$; then it decreases monotonically to $x = 2$ approximately, and then increases again. Thus it is possible to solve the following two problems: 1) With a pre-assigned mean-square error δ it is possible to determine the time T required, so that this error is not exceeded in calculating the distribution function. 2) Knowing T, it is possible to estimate the error δ, which arises in determining the distribution function. Up to now it was assumed that x is fixed, i.e. F(x) is calculated at one point only. Further, the case is considered when $F_T(x)$ is calculated at n points x_i $(i = 1, 2, ..., n)$. The minimum number of points is determined, required for the construction of the distribution function. The steps involved in calculating F(x) are as follows: 1) The time T is selected in accordance with the required accuracy of δ (by means of the graphs); thereby the correlation time τ_c is determined either by the correlation function $\delta(\tau)$, which is more accurate, or by the frequency range (a rougher estimate). 2) The number of levels n is chosen in accordance with δ and with the required maximum deviation Δ_{max} $(\Delta_{max} \leqslant (c + 2)\delta)$. 3) $F_T(x)$ is calculated by formula (1). 4) The normal-distribution hypothesis of the process $\xi(t)$ is tested: if the calculated $F_T(x)$ does not exceed

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the limits of a band of width $2\Delta_{max}$, constructed according to the hypothetical distribution function, then the hypothesis agrees with observation; if $F_T(x)$ leaves this band, the hypothesis is rejected. Two numerical examples are given. There are 9 figures, and 10 references: 9 Soviet-bloc and 1 non-Soviet-bloc (in translation).

SUBMITTED: October 6, 1961

BAYKOV, S.P., kand. tekhn. nauk; BELENKO, I.S., kand. tekhn. nauk; BELKOV, S.F., inzh.; BELYANCHIKOV, M.P., inzh.; BERNSHTEYN, I.L., inzh.; BOGORODITSKIY, D.D., inzh.; BOLONOVA, Ye.V., kand. tekhn. nauk; BROZGOL', I.M., kand. tekhn.nauk; VLADIMIROV, V.B., inzh.; VOLKOV, P.D., kand. tekhn. nauk; GERASIMOVA, N.N., inzh.; ZHUKHOVITSKIY, A.F., inzh.; KABANOV, M.F., inzh.; KANEVTSOV, V.M., kand. tekhn. nauk; KOLOTENKOV, I.V., inzh.; KONDRAT'YEV, I.M., inzh.; KUZNETSOV, I.P., kand. tekhn. nauk; L'VOV, D.S., kand. tekhn. nauk; LYSENKO, I.Ya., kand. tekhn. nauk; MAKAROV, L.M., inzh.; OLEYNIK, N.D., inzh.; RABINER, Ye.G., inzh.; ROZHDESTVENSKIY, Yu.L., kand. tekhn. nauk; SAKHON'KO, I.M., kand. tekhn. nauk; SIDOROV, P.N., inzh.; SPITSYN, N.A., prof., doktor tekhn. nauk; SPRISHEVSKIY, A.I., kand. tekhn. nauk; CHIRIKOV, V.T., kand. tekhn nauk; SHEYN, A.S., kand. tekhn. nauk; NIBERG, N.Ya., nauchnyy red.; BLAGOSKLONOVA, N.Yu., inzh., red. izd-va; SOKOLOVA, T.F., tekhn. red.

[Antifriction bearings; manual] Podshipniki kacheniia; spravochnoe posobie. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 828 p. (MIRA 15:2)
(Bearings (Machinery))

ROZHDESTVENSKIY, Yu. L.

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PHASE I BOOK EXPLOITATION SOV/5799

Unksov, Ye.P., Doctor of Technical Sciences, Professor, Ed.

Sovremennoye sostoyaniye kuznechno-shtampovochnogo proizvodstva (Present State of the Pressworking of Metals) [Moscow] Mashgiz, 1961. 434 p. 5000 copies printed.

Ed. of Publishing House: A.I. Sirotin; Tech. Ed.: B.I. Model'; Managing Ed. for Literature on the Hot Working of Metals: S.Ya. Golovin, Engineer.

Title: Kuznechno-shtampovochnoye proizvodstvo v SSSR (The Pressworking of Metals in the USSR) by: A.V. Altykis, D.I. Berezhkovskiy, V.F. Volkovitskiy, I.I. Girsh (deceased), L.D. Gol'man, S.P. Granovskiy, N.S. Dobrinskiy, A.I. Zinin, S. L. Zlotnikov, A.I. Kagalovskiy, P.V. Lobachev, V.N. Martynov, Ye.N. Moshnin, G.A. Navrotskiy, Ya.M. Okhrimenko, G.N. Rovinskiy, Ye.A. Stosha, Yu.L. Rozhdestvenskiy, N.V. Tikhomirov, Ye.P. Unksov, V.F. Shcheglov, and L.A. Shofman; Eds: Ye.P. Unksov, Doctor of Technical Sciences, Professor, and B.V. Rozanov.

Title: Kuznechno-shtampovochnoye proizvodstvo v ChSSR (The Pressworking of Metals in the Czechoslovak SR) by: S. Burda, F. Hrazdil, F. Drastík, F. Zlatohlávek

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Present State of the (Cont.) SOV/5799

Z. Kejval, V. Kraus, F. Kupka, F. Major, K. Marvan, J. Novák, J. Odehnal, K. Paul, B. Sommer, M. Honz, J. Částka, V. Šindelář, and J. Šolc; Eds.: A. Nejepsa and M. Vlk.

PURPOSE: This book is intended for engineers and scientific personnel concerned with the pressworking of metals.

COVERAGE: Published jointly by Mashgiz and SNTL, the book discusses the present state of the pressworking of metals in the USSR and the Czechoslovak Socialist Republic. Chapters were written by both Soviet and Czechoslovak writers. No personalities are mentioned. There are 129 references: 98 Soviet, 16 English, 8 German, 5 Czech, and 2 French.

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1. ROZHDESTVENSKIY, YU. L.

2. USSR (600)

4. Strains and Stresses

7. Determining the stresses in cold stamping of outside bevel rings. Podshipnik No. 11, 1952

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

BUGROVA, A.A., kand. tekhn. nauk; ROZHDESTVENSKIY, Yu.L., kand. tekhn. nauk.

Drawing welded pipe blanks with wall thinning. Vest. mash. 39 no.2:47-50 F '59. (MIRA 12:3)
(Drawing (Metalwork))

PHASE I BOOK EXPLOITATION 755

L'vov, Dimitriy Sergeyevich, Rozhdestvenskiy, Yuriy L'vovich, Abramov, Aleksandr Vasil'yevich, Litvak, Lev Kosilevich

Shtampovka kol'tsevykh zagotovok (Pressforming of Annular Parts) Moscow, Mashgiz, 1958. 182 p. 4,500 copies printed.

Reviewer: Zvorono, B. P., Candidate of Technical Sciences; Ed.: Mezhova, V. A., Engineer; Tech. Ed.: Gerasimova, Ye. S.; Managing Ed. for literature on heavy machine building (Mashgiz): Golovin, S. Ya., Engineer.

PURPOSE: This book is intended for production engineers, designers, technicians and students specializing in pressforming and forging of metals.

COVERAGE: The authors analyze the coefficient of utilization of metals in manufacturing annular blanks for rolling-contact bearings. They present the latest work methods developed by bearing plants which aim to produce blanks of good dimensional accuracy. Advanced pressforming and forging methods used in the

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